

Product datasheet for **RC209578**

COQ9 (NM_020312) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | COQ9 (NM_020312) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | COQ9 |
| Synonyms: | C16orf49; COQ10D5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC209578 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGCGCGGCTATCTGGTGCCTTGGCCGGCGGGCTGGAGGCTCCTGCAGCTGCGATGCCTGC
CCGTGGCCCGTTGCCGACAAGCCCTGGTGCCGCTGCCTCCATGCTTCAGCTGTGGGGTAAGGTCTTC
AGATGAGCAGAAGCAGCAGCCTCCCACTATTTCTCAGCAGCATTCTGAGACACAGGGGCAGAAAAA
CCTGATCCAGAGTCTTCTCATTACCCCCAGGTATACAGACCAGGGCGGCGAGGAGGAGGAGGACTATG
AAAGTGGAGGAGCAGTTGCAGCACCGCATCTGACGGCAGCCCTTGAGTTTGTGCCGCCACGGGTGGAC
AGCAGAGGCGATTGCAGAAGGAGCCAGTCTCTGGGTCTCTCCAGTGCAGCAGCCAGCATGTTCCGGGAAG
GATGGCAGTGAGCTAATACTGCATTTTGTGACCCAGTGAATACCCGGCTCACACGTGTGCTAGAAGAGG
AGCAGAAGCTGGTACAGTTGGGCCAGGCGGAGAAGAGGAAGACAGACCAGTTCCTGAGGGATGCAGTGGA
AACCAGACTGAGAATGCTGATCCCATACATTGAGCACTGGCCCGGGCCCTCAGCATCCTCATGCTCCCT
CACAACATCCCGTCCAGCCTGAGCCTGCTACCAGCATGGTGGATGACATGTGGCATTACGCTGGGGACC
AGTCCACTGATTTAACTGGTACACCCCGGAGCCATGCTGGCTGCCATCTACAACAACAGAGCTGGT
GATGATGCAGGACTCCTCTCCAGACTTTGAGGACACTTGGCGCTTCTGGAAAACCGGGTTAATGATGCA
ATGAACATGGGCCACACTGCCAAGCAGGTAAGTCCACAGGAGAGGCACTGGTGAAGGACTCATGGGTG
CAGCAGTGACGCTCAAGAAGTACAGGCTAAACCAGCGTCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020312.4](#)

RefSeq Size: 1699 bp

RefSeq ORF: 957 bp

Locus ID: 57017

UniProt ID: [O75208](#)

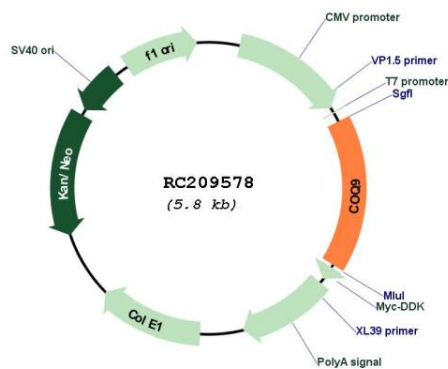
Cytogenetics: 16q21

Protein Families: Druggable Genome

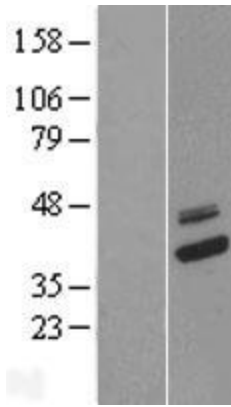
MW: 35.5 kDa

Gene Summary: This locus represents a mitochondrial ubiquinone biosynthesis gene. The encoded protein is likely necessary for biosynthesis of coenzyme Q10, as mutations at this locus have been associated with autosomal-recessive neonatal-onset primary coenzyme Q10 deficiency. [provided by RefSeq, Sep 2010]

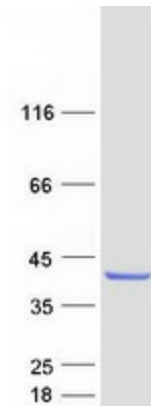
Product images:



Circular map for RC209578



Western blot validation of overexpression lysate (Cat# [LY412553]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209578 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified COQ9 protein (Cat# [TP309578]). The protein was produced from HEK293T cells transfected with COQ9 cDNA clone (Cat# RC209578) using MegaTran 2.0 (Cat# [TT210002]).